AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A network system comprising:

connection control means for ~~contorolling~~ controlling the switching of the connection destination of a terminal;

first and second servers belonging to first and second different networks, respectively and connected to the terminal, respectively through the first and second networks;

operating server-switching control means for migrating a process from the first server to the second server; and

server/network cooperation control means having a storage unit for storing the information of the first and second servers and the information of the second network, and connected to the operating server-switching control means and to the connection control means,

wherein the server/network cooperation control means comprises information processing means for executing processing for receiving a process migration request from the first server to the second server and sending a migration start request including the information of the second server as a migration destination stored in the storage unit to the operating server-switching control means, and processing for receiving a target process migration completion notification from the operating server-switching control means and, thereafter, sending a switching request from the first network to the second network to the connection control means, the switching request including the information of the second network stored in the storage unit, and

the connection control means and the first and second servers execute communication

using a transport level protocol.

2. (currently amended): The~~A~~ network system according to claim 1, wherein the

operating server-switching control means is included in at least one of the first and second

servers.

3. (currently amended): A process migration method between networks of a network

system which comprises:

connection control means for ~~contorolling~~ controlling the switching of the connection

destination of a terminal;

first and second servers belonging to first and second different networks, respectively and

connected to the terminal, respectively through the first and second networks;

operating server-switching control means for migrating a process from the first server to

the second server; and

server/network cooperation control means connected to the operating server-switching

control means and to the connection control means, and

in which the connection control means and the first and second servers execute

communication using a transport level protocol,

wherein the process migration method comprises:

a first step at which the server/network cooperation control means receives a process

migration request from the first server to the second server, and sends a migration start request

including the information of the second server as a migration destination to the operating server-switching control means;

a second step at which the operating server-switching control means migrates a target process from the first server to the second server on receiving the migration start request;

a third step at which the server/network cooperation control means receives a process migration completion notification from the operating server-switching control means and, thereafter, sends a switching request from the first network to the second network to the connection control means, the switching request including the information of the second network; and

a fourth step at which the connection control means switches a target network from the first network to the second network.

4. (currently amended): The A process migration method between networks according to claim 3, wherein the target process is put in a pause status before it is migrated to the second server at the second step, and process migration method further comprises a fifth step at which the pause status of the target process migrated between the servers is released after the fourth step.

5. (currently amended): The A process migration method between networks according to claim 3, wherein a shiftable connection destination identifier is shifted to the second server at the second step.

6. (currently amended): A server/network cooperation control device used in a network system, the network system comprising:

connection control means for ~~contorolling~~ controlling the switching of the connection destination of a terminal;

first and second servers belonging to first and second different networks, respectively and connected to the terminal, respectively through the first and second networks; and

operating server-switching control means for migrating a process from the first server to the second server, and

in which the connection control means and the first and second servers execute communication using a transport level protocol,

wherein the server/network cooperation control device is connected to the operating server-switching control means and the connection control means, and comprises:

a storage unit for storing the information of the first and second servers and the information of the second network; and

information processing means for executing processing for receiving a process migration request from the first server to the second server and sending a migration start request including the information of the second server as a migration destination stored in the storage unit to the operating server-switching control means, and processing for receiving a target process migration completion notification from the operating server-switching control means and, thereafter, sending a switching request from the first network to the second network to the connection control means, the switching request including the information of the second network stored in the storage unit.

7. (currently amended): A computer readable storage medium storing a computer program of a server/network cooperation control computer used in a network system, the network system comprising:

connection control means for ~~contorolling~~ controlling the switching of the connection destination of a terminal;

first and second servers belonging to first and second different networks, respectively and connected to the terminal, respectively through the first and second networks; and

operating server-switching control means for migrating a process from the first server to the second server, and

in which the connection control means and the first and second servers execute communication using a transport level protocol

wherein the computer is connected to the operating server-switching control means and the connection control means, and

wherein the program includes instructions for causing ~~causes~~ the computer to execute:

(1) processing for receiving a process migration request from the first server to the second server and sending a migration start request including the information of the second server as a migration destination stored in a storage unit of the computer to the operating server-switching control means; and

(2) processing for receiving a target process migration completion notification from the operating server-switching control means and, therafter, sending a switching request from the first network to the second network to the connection control means, the switching request including the information of the second network stored in the storage unit.

8. (new):   A network system comprising:

connection control unit for controlling the switching of the connection destination of a

terminal;

first and second servers belonging to first and second different networks, respectively and

connected to the terminal, respectively through the first and second networks;

operating server-switching control unit for migrating a process from the first server to the

second server; and

server/network cooperation control unit having a storage unit for storing the information

of the first and second servers and the information of the second network, and connected to the

operating server-switching control unit and to the connection control unit,

wherein the server/network cooperation control unit comprises information processing

unit for executing processing for receiving a process migration request from the first server tot he

second server and sending a migration start request including the information of the second

server as a migration destination stored in the storage unit to the operating server-switching

control unit, and processing for receiving a target process migration completion notification from

the operating server-switching control unit and, thereafter, sending a switching request from the

first network to the second network to the connection control unit, the switching request

including the information of the second network stored in the storage unit, and

the connection control unit and the first and second servers execute communication using

a transport level protocol.

9. (new):   A process migration method between networks of a networks system

which comprises:

connection control unit for controlling the switching of the connection destination of a

terminal;

first and second servers belonging to first and second different networks, respectively and

connected to the terminal, respectively through the first and second networks;

operating server-switching control unit for migrating a process from the first server to the

second server; and

server/network cooperation control unit connected to the operating server-switching

control unit and to the connection control unit, and

in which the connection control unit and the first and second servers execute

communication using a transport level protocol,

wherein the process migration method comprises:

a first step at which the server/network cooperation control unit receives a process

migration request from the first server to the second server, and sends a migration start request

including the information of the second server as a migration destination to the operating server-

switching control unit;

a second step at which the operating server-switching control unit migrates a target

process from the first server to the second server on receiving the migration start request;

a third step at which the server/network cooperation control unit receives a process

migration completion notification from the operating server-switching control unit and,

thereafter, sends a switching request from the first network to the second network t othe

connection control unit, the switching request including the information of the second network;

and

a fourth step at which the connection control unit switches a target network from the first

network to the second network.